

Title (en)

PATTERN OF A NON-WETTING COATING ON A FLUID EJECTOR AND APPARATUS

Title (de)

MUSTER EINER NICHT BENETZENDEN BESCHICHTUNG AN EINEM FLUIDEJEKTOR UND VORRICHTUNG

Title (fr)

MODÈLE D'UN REVÊTEMENT NON MOUILLANT SUR UN ÉJECTEUR DE FLUIDE ET APPAREIL

Publication

EP 2094490 A4 20101208 (EN)

Application

EP 07855268 A 20071219

Priority

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Abstract (en)

[origin: WO2008079878A1] A fluid ejector is provided, having an internal surface, an external surface, an orifice that allows fluid in contact with the internal surface to be ejected, a first non-wetting region of the external surface, and one or more second regions of the external surface that are more wetting than the first non-wetting region. A process for cleaning the fluid ejectors is provided that includes detachably securing a faceplate to the fluid ejector and moving a wiper laterally across the faceplate.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [IY] US 5949454 A 19990907 - NOZAWA MINORU [JP], et al
- [Y] US 2004104959 A1 20040603 - BROWN STEVEN ROBERT [GB], et al
- [Y] US 2001043250 A1 20011122 - FAISST CHARLES F [US], et al
- See references of WO 2008079878A1

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